

FIG.2

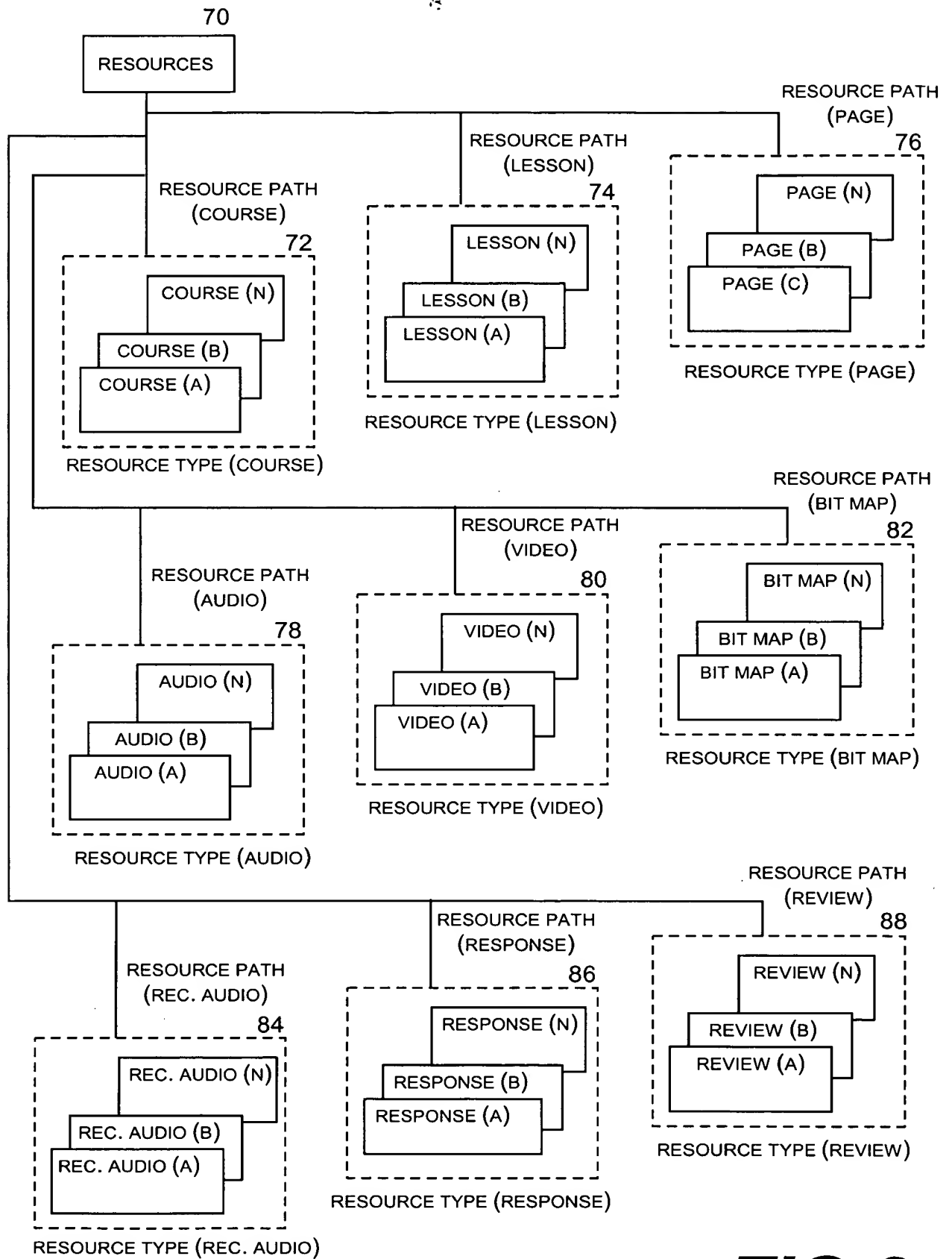
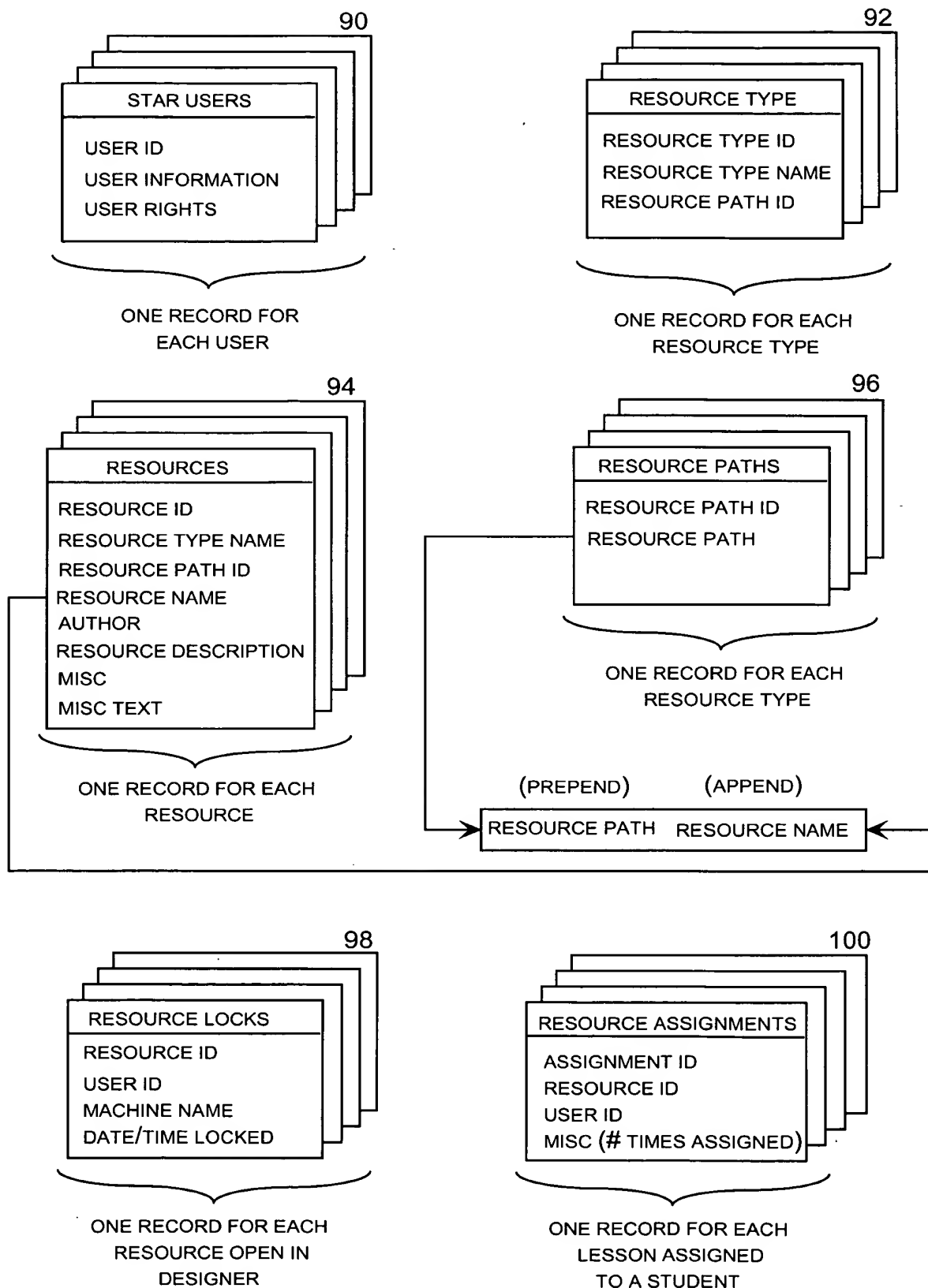


FIG.3



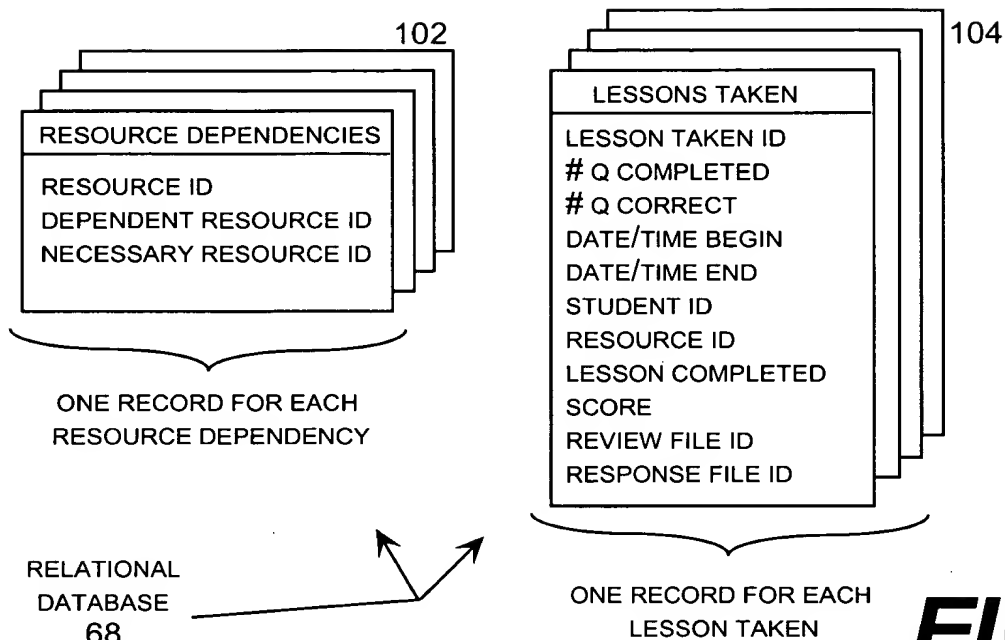
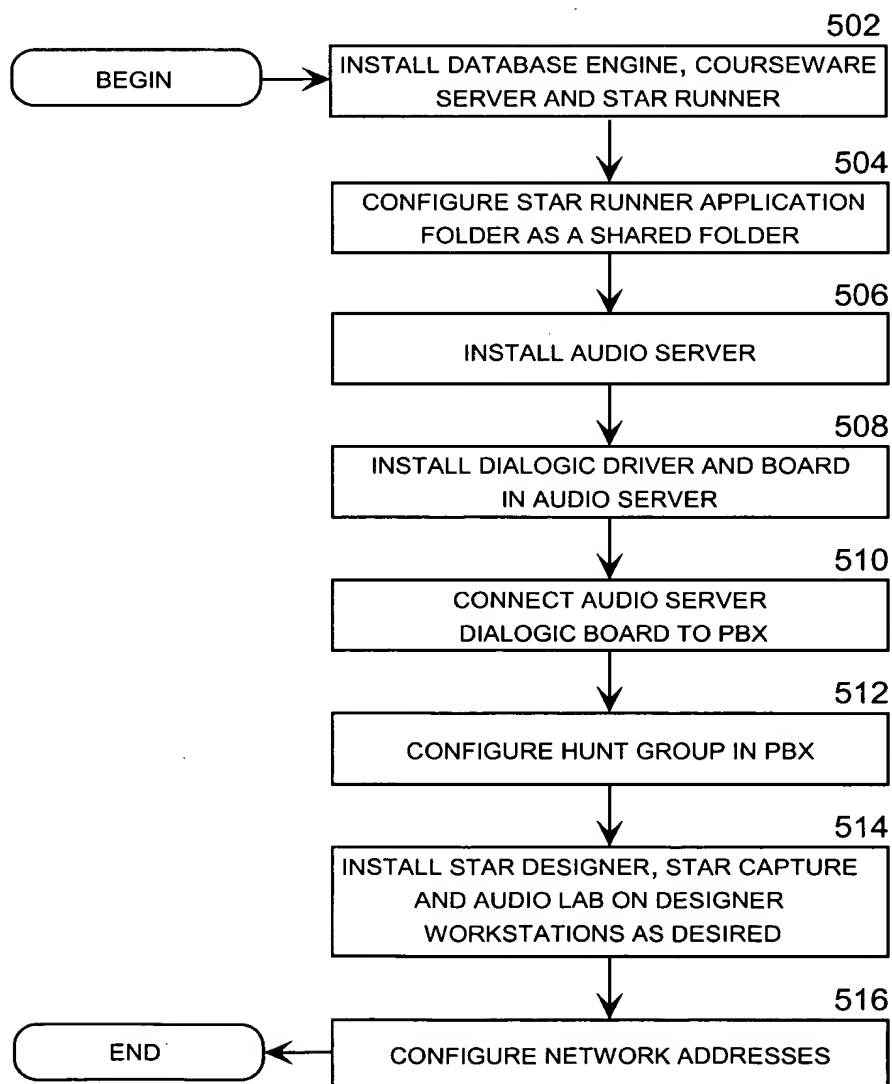
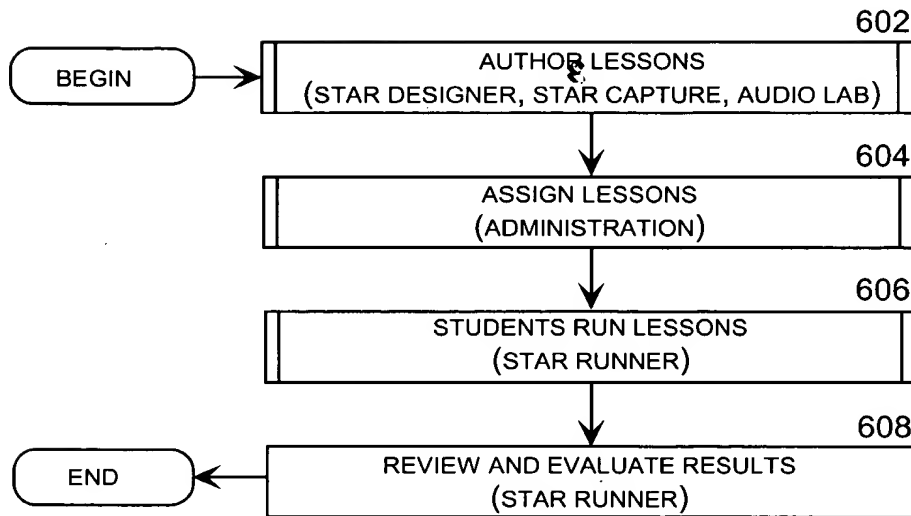


FIG.4B



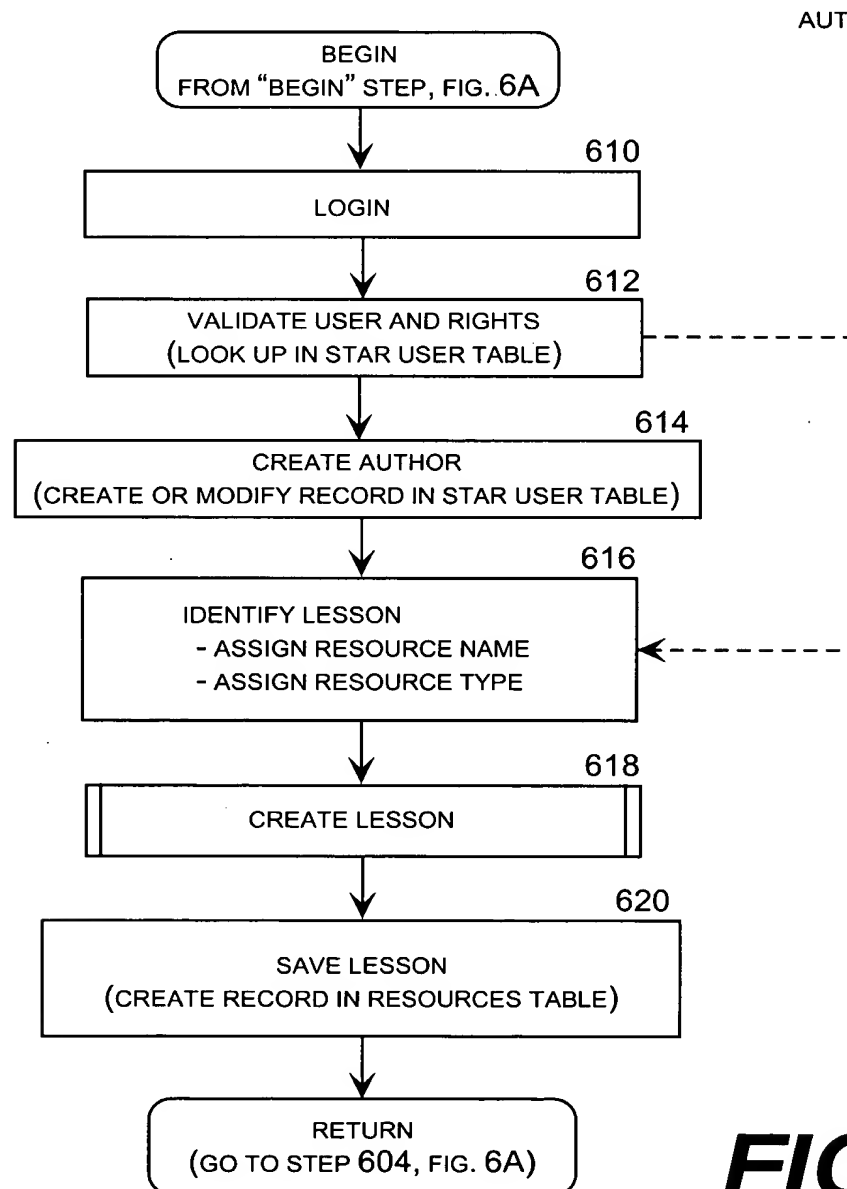
SYSTEM SET-UP ROUTINE 500

FIG.5



SYSTEM UTILIZATION
ROUTINE
600

FIG. 6A



AUTHOR LESSONS
ROUTINE
602

FIG. 6B

PROGRESSIVE MENTORING
(AUTHORING METHODOLOGY)

700

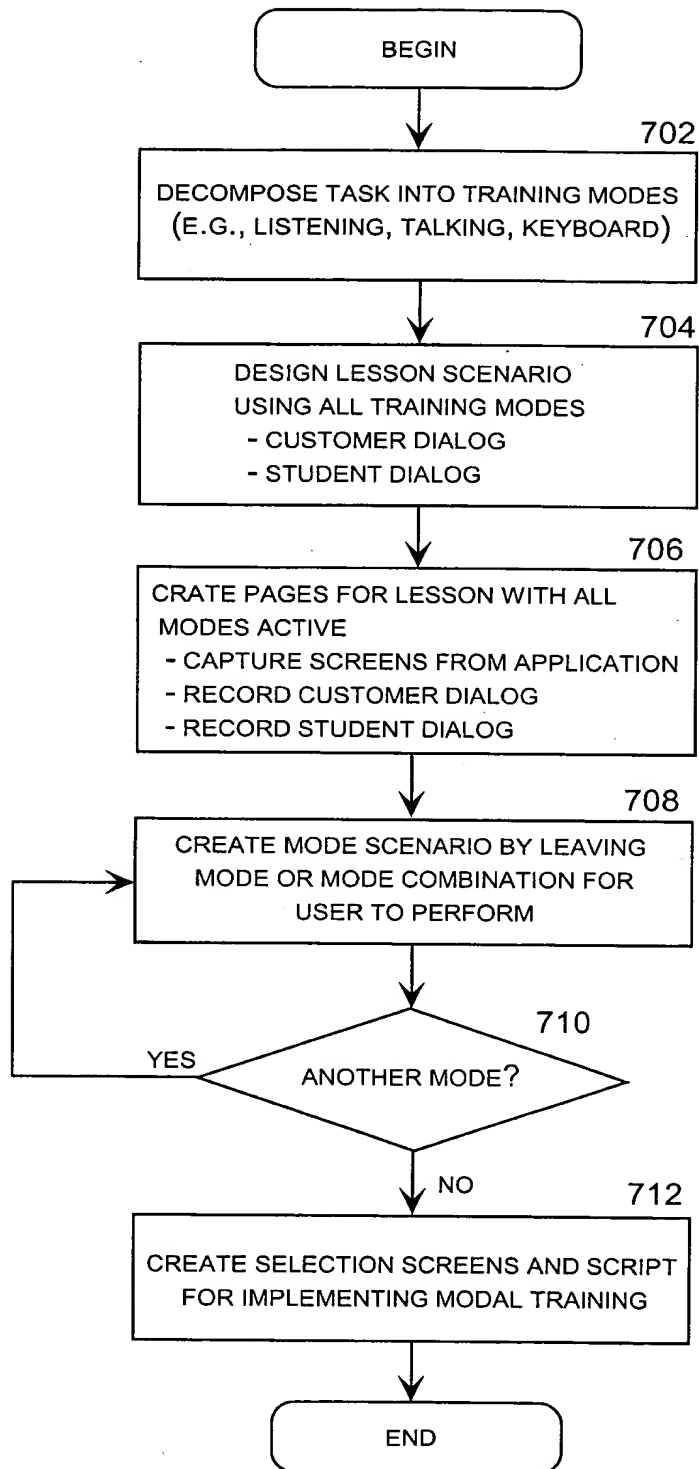
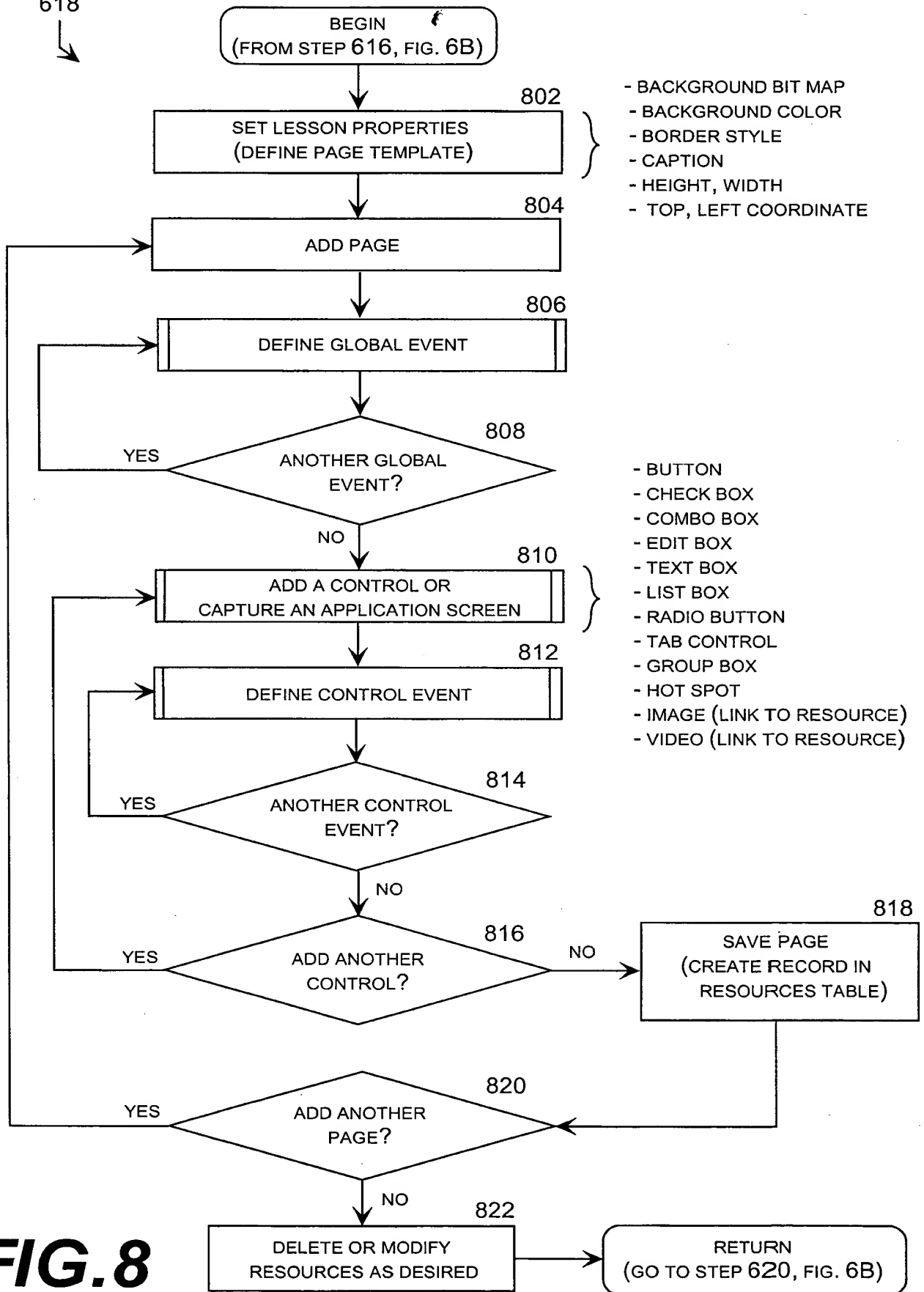


FIG.7

CREATE LESSON

618



DEFINE EVENT
806 OR 812

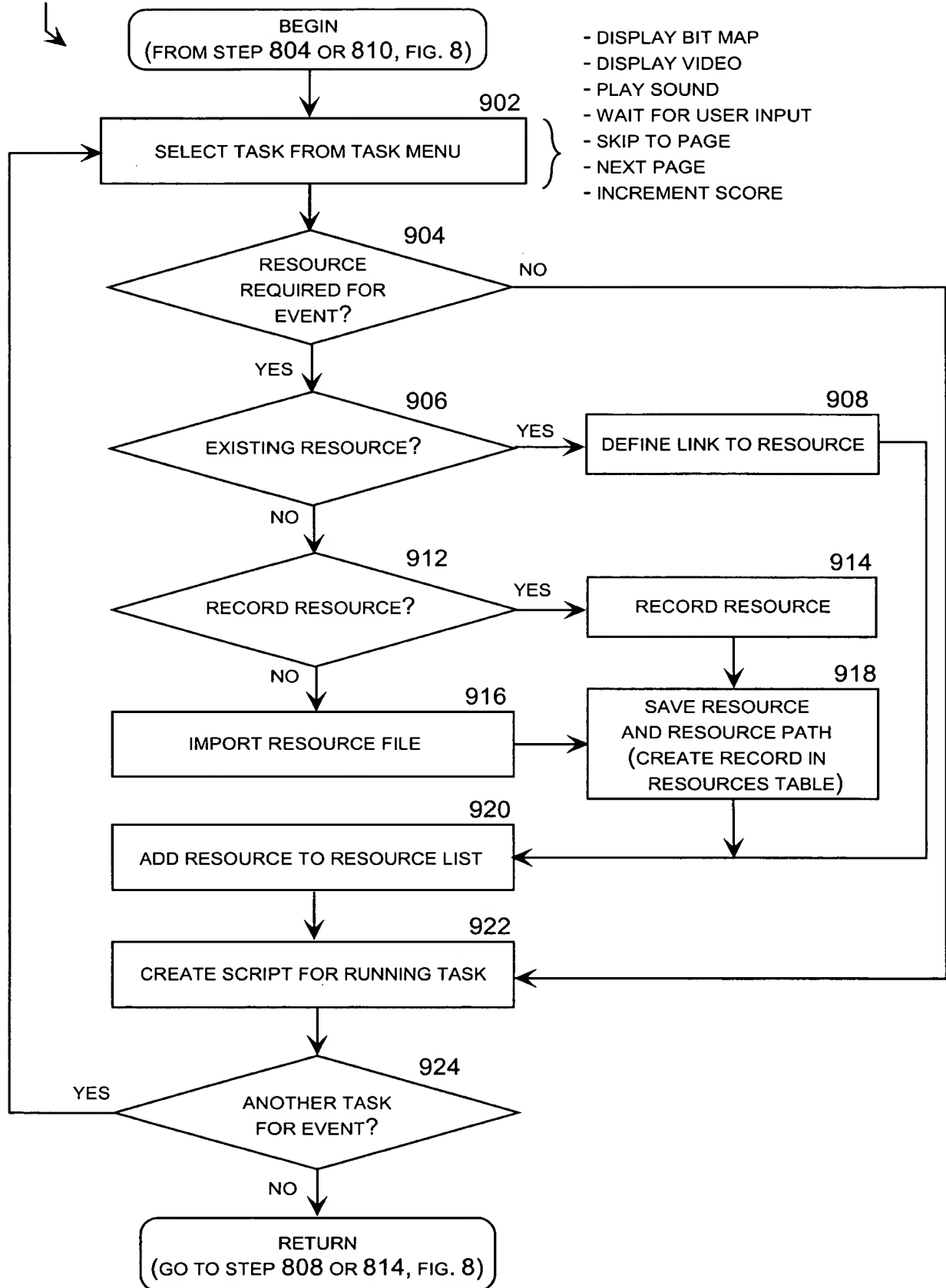


FIG. 9

ADD CONTROL OR
CAPTURE APPLICATION SCREEN
810

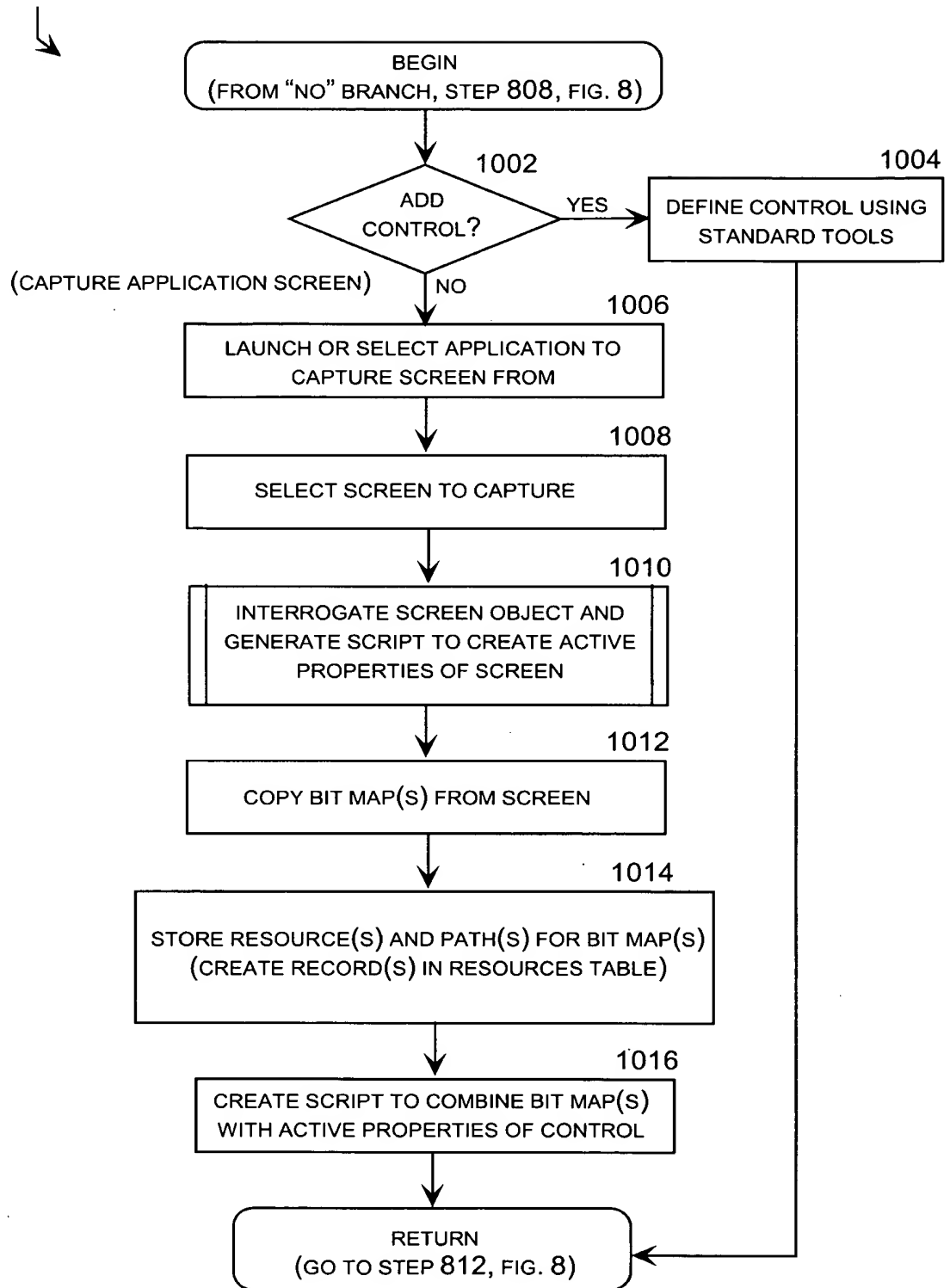


FIG. 10

INTERROGATE SCREEN OBJECT AND
GENERATE SCRIPT TO CREATE ACTIVE
PROPERTIES OF SCREEN

1010

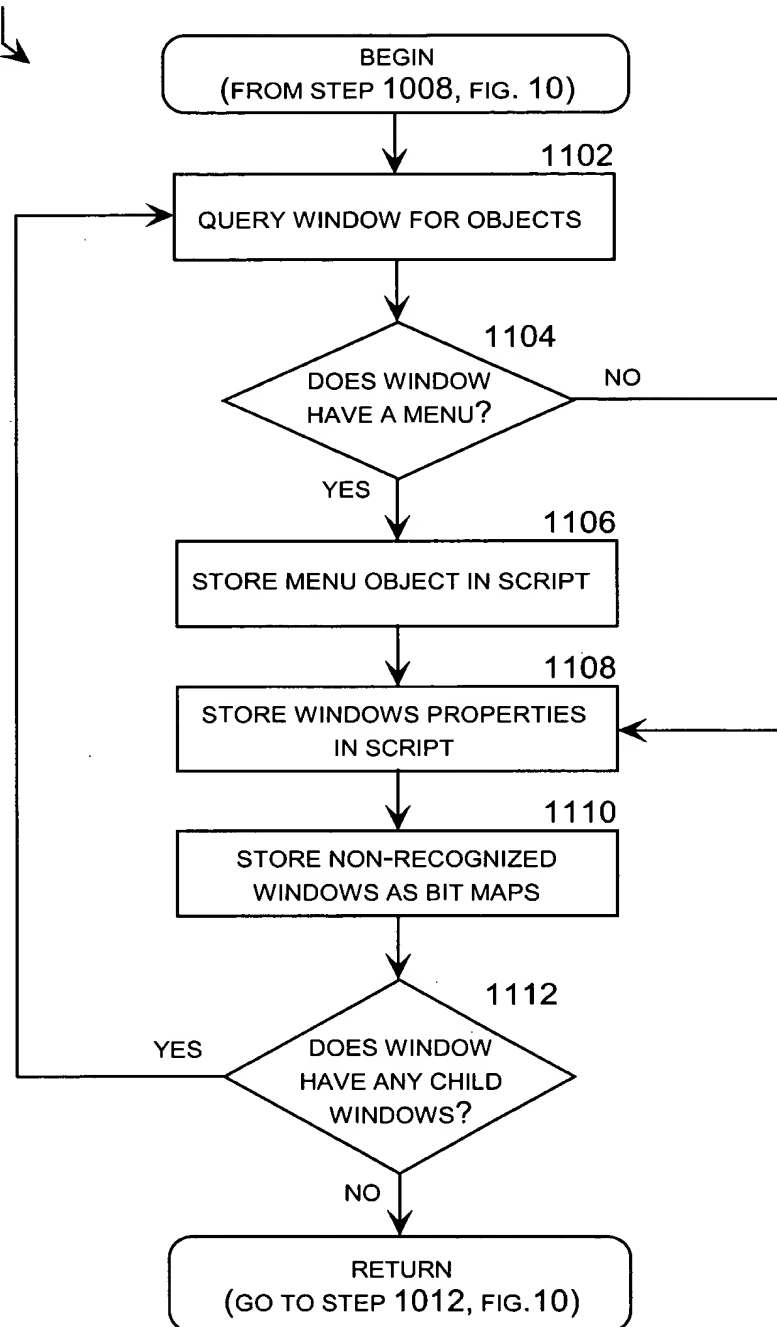


FIG.11

ASSIGN LESSONS

604

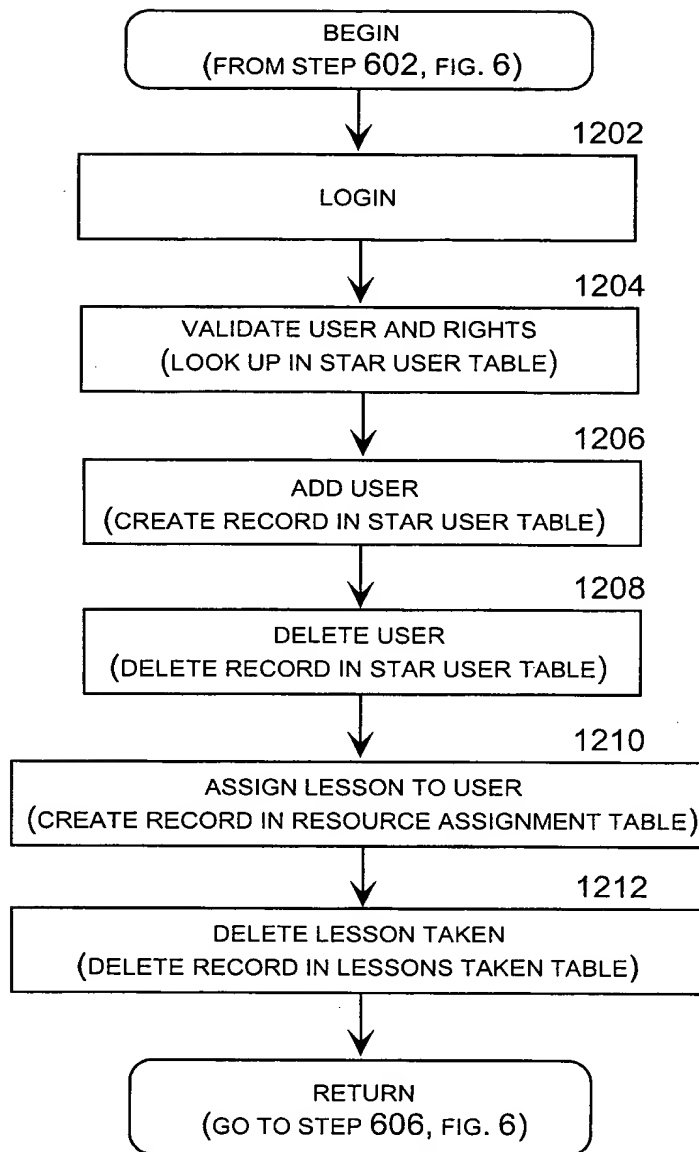


FIG.12

RUN LESSON
606

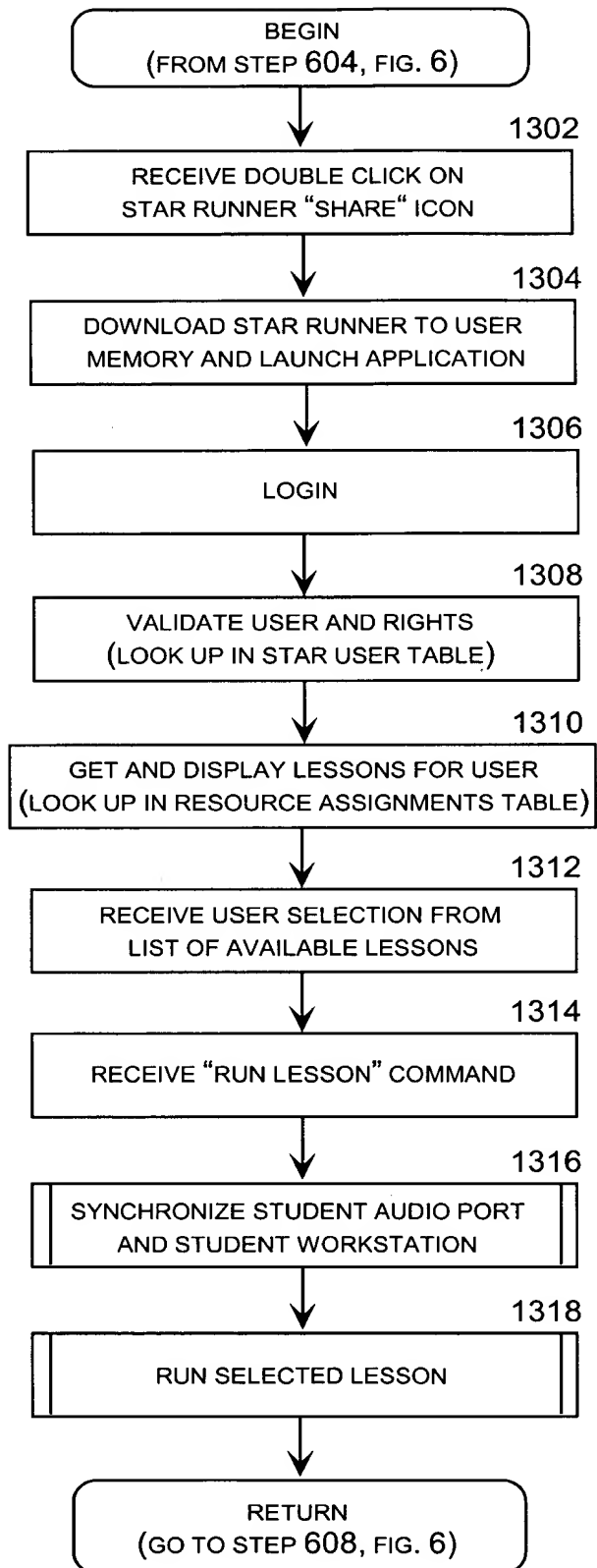


FIG.13

SYNCHRONIZE STUDENT AUDIO PORT
AND STUDENT WORKSTATION

1316

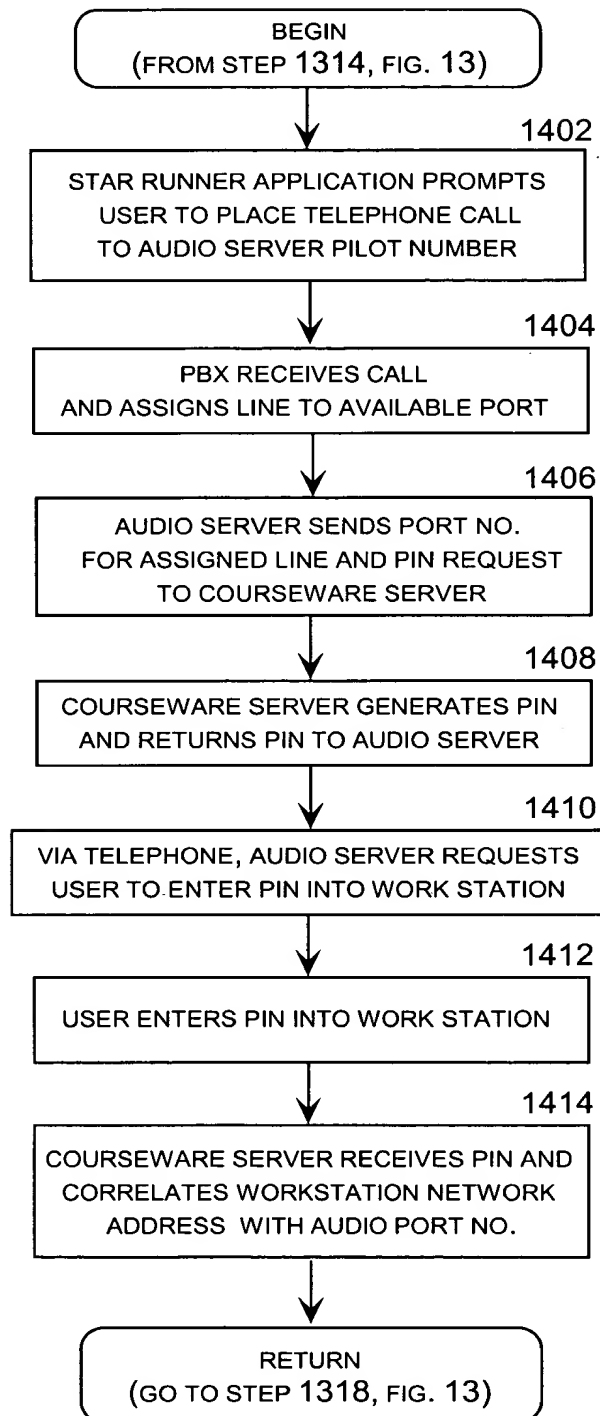


FIG.14

RUN SELECTED LESSON

1318

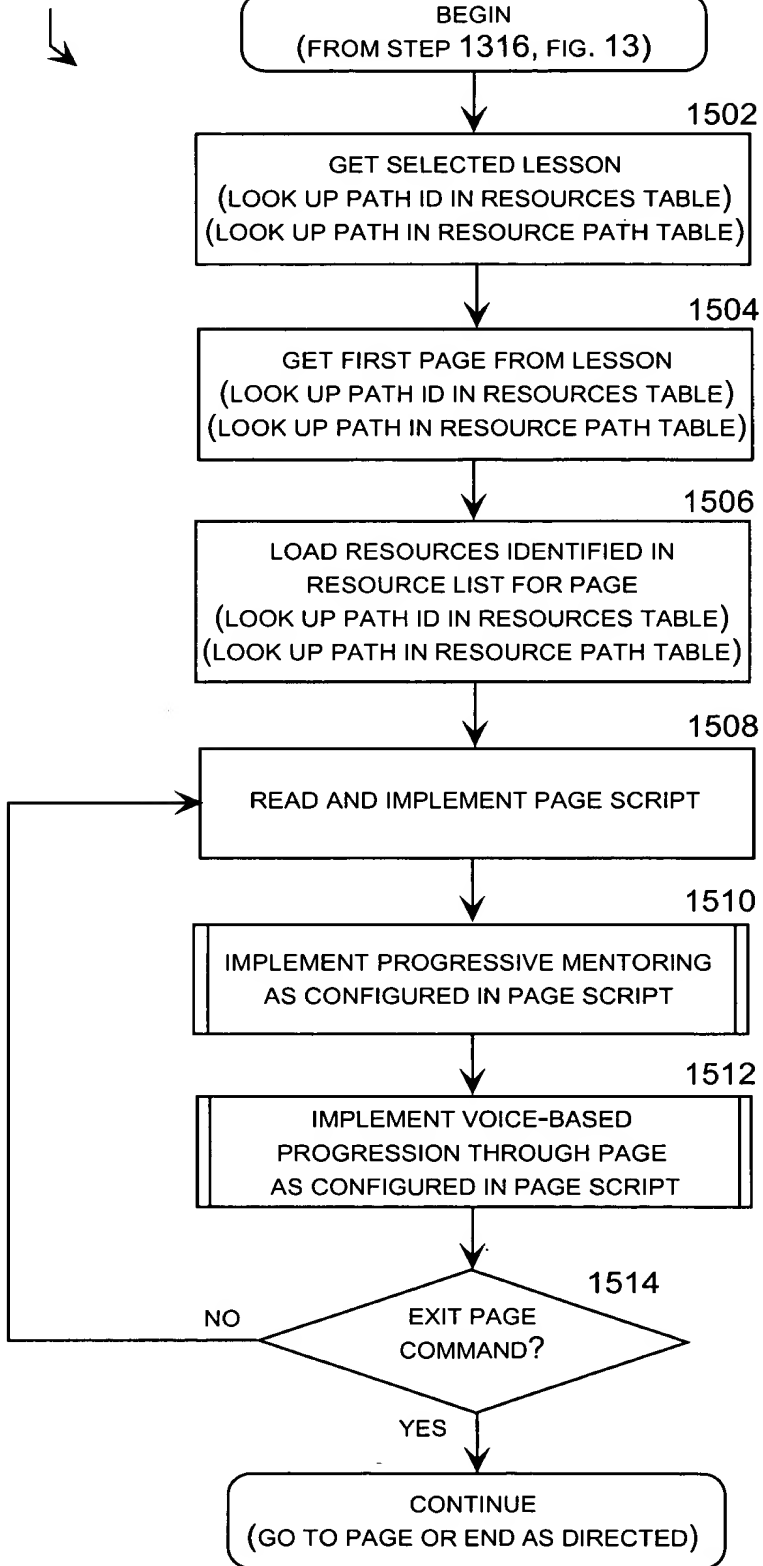


FIG.15

PROGRESSIVE MENTORING
(RUNNING METHODOLOGY)
1510

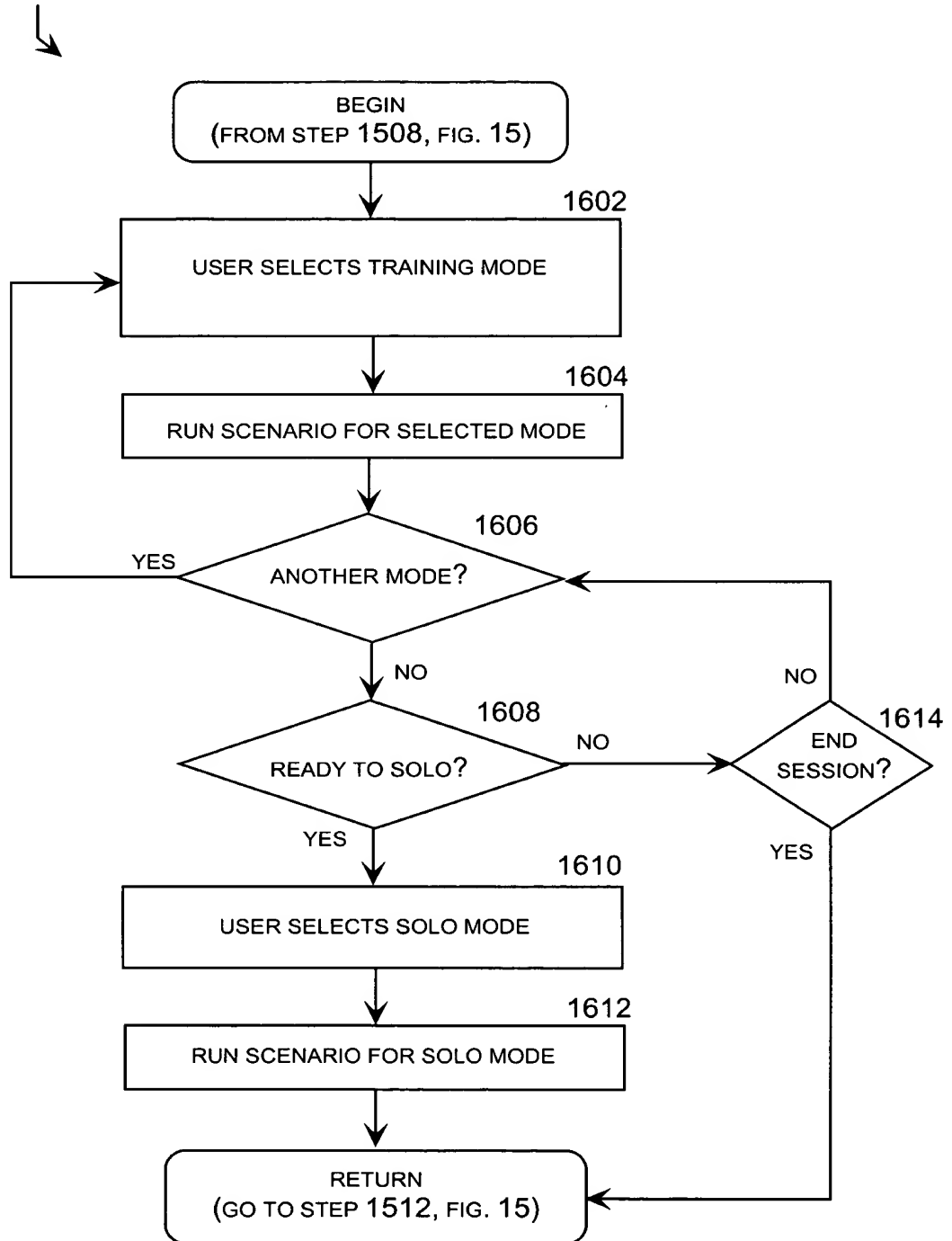


FIG.16

VOICE-BASED PROGRESSION
1512

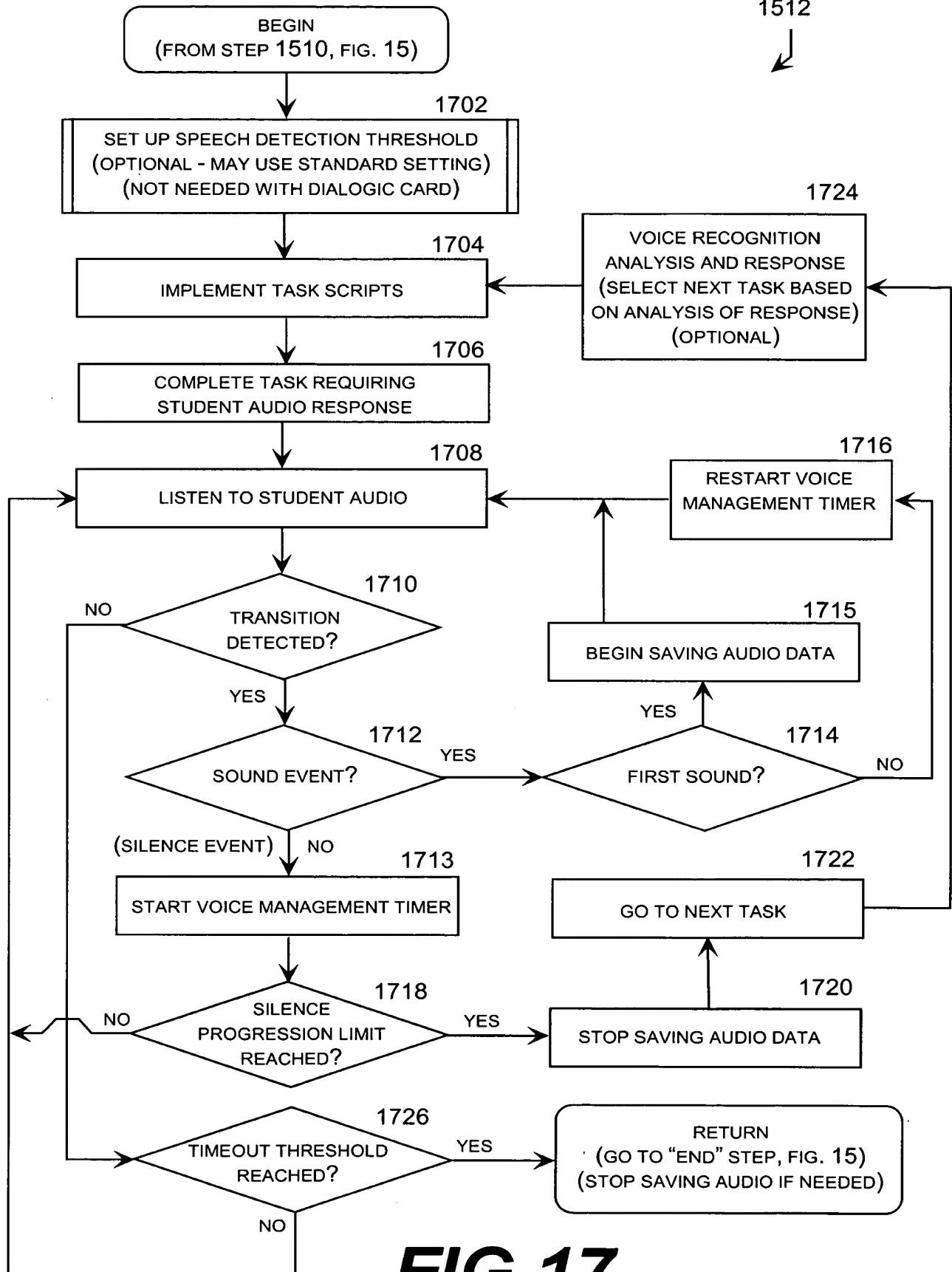
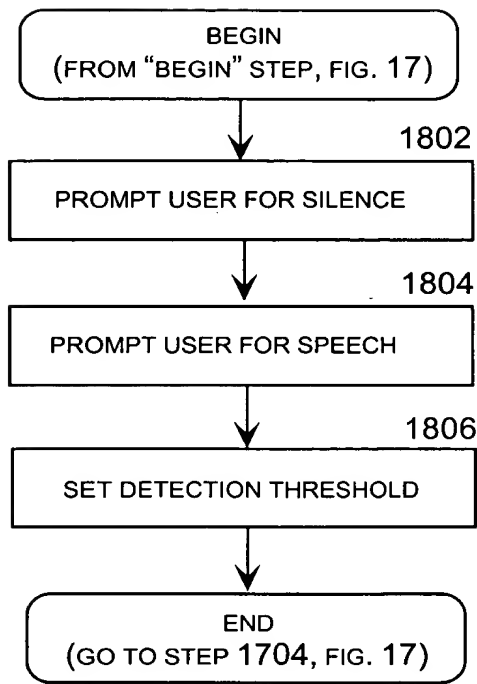
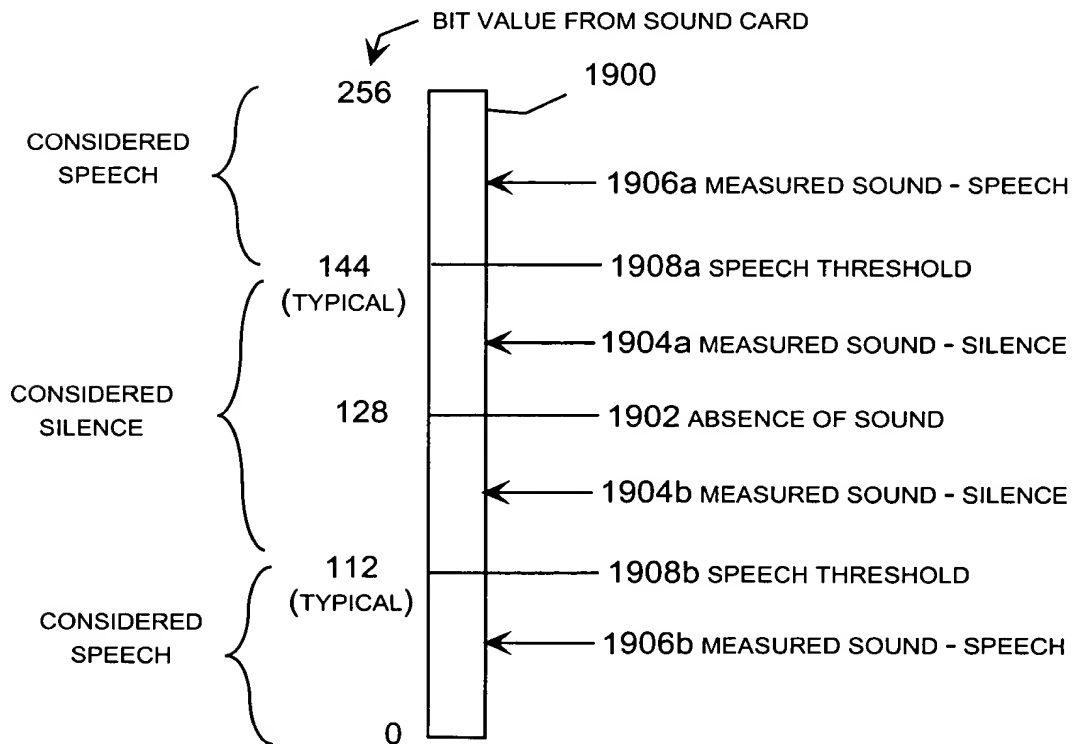


FIG.17



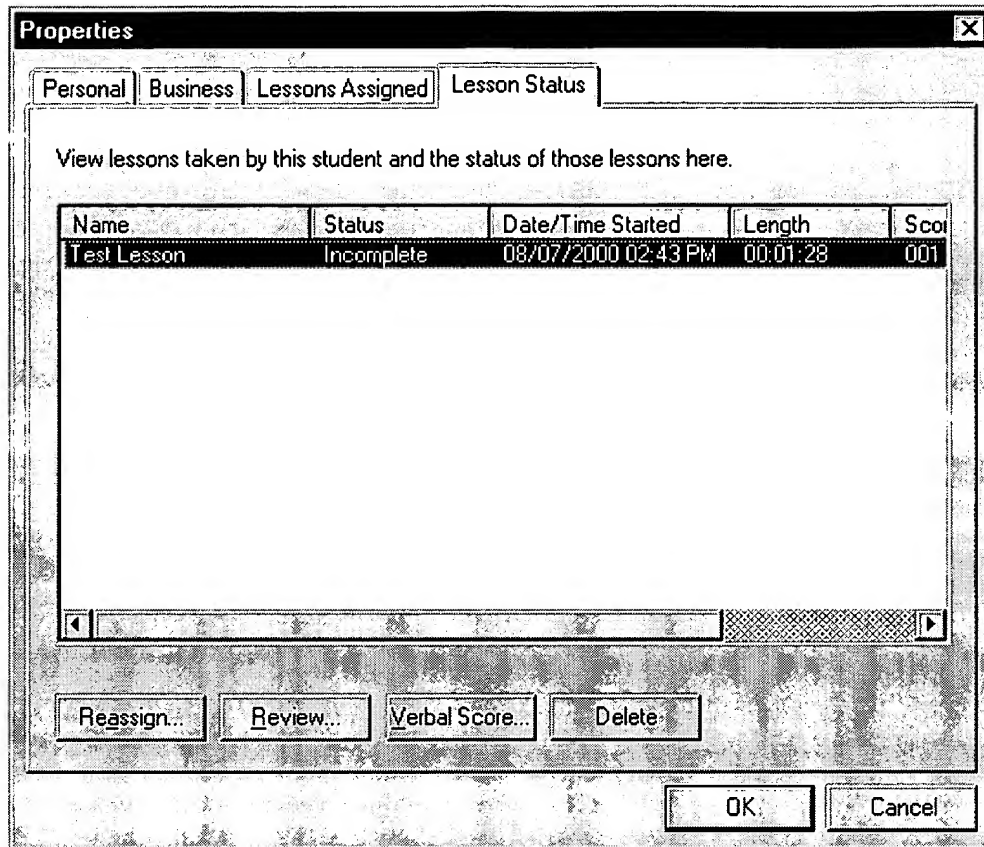
SET UP SPEECH
DETECTION THRESHOLD
1702
↓

FIG.18



THRESHOLD EXAMPLE - 8-BIT SOUND

FIG.19



Lesson being reviewed in Administrator

608

FIG. 20

Properties [X]

Personal | Business | Lessons Assigned | Lesson Status

Enter identification information about this user here (Required).

Name

First Name:

Last Name:

StarTrainer Logon

User Name:

Password:

ID Number

Employee ID Number (optional):

Rights

☒ Student

☒ Designer

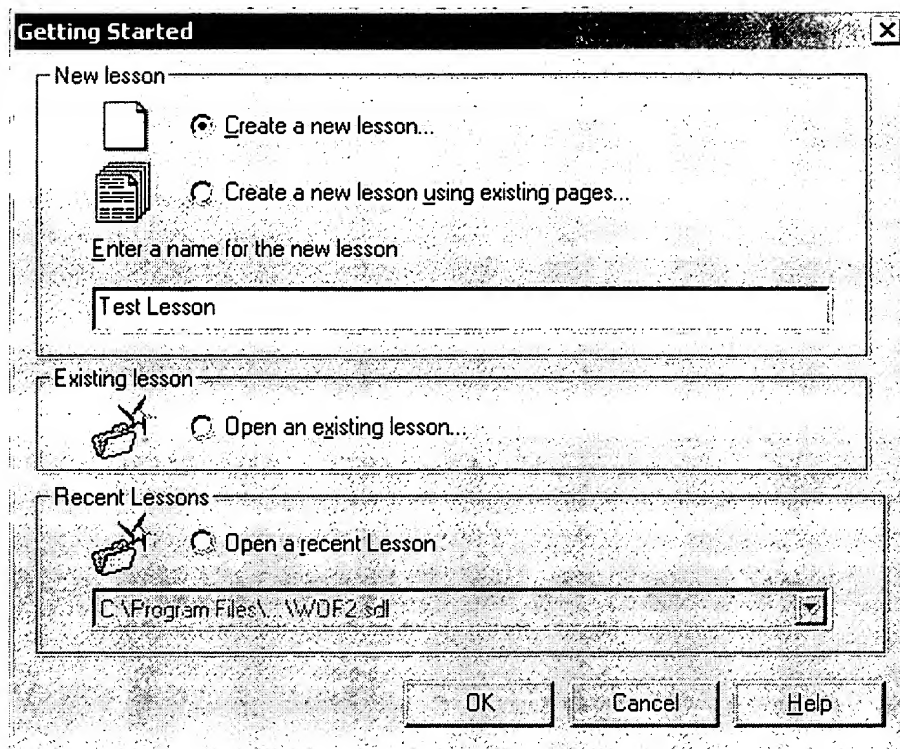
☒ Administrator

OK Cancel

Create author in Administrator

614

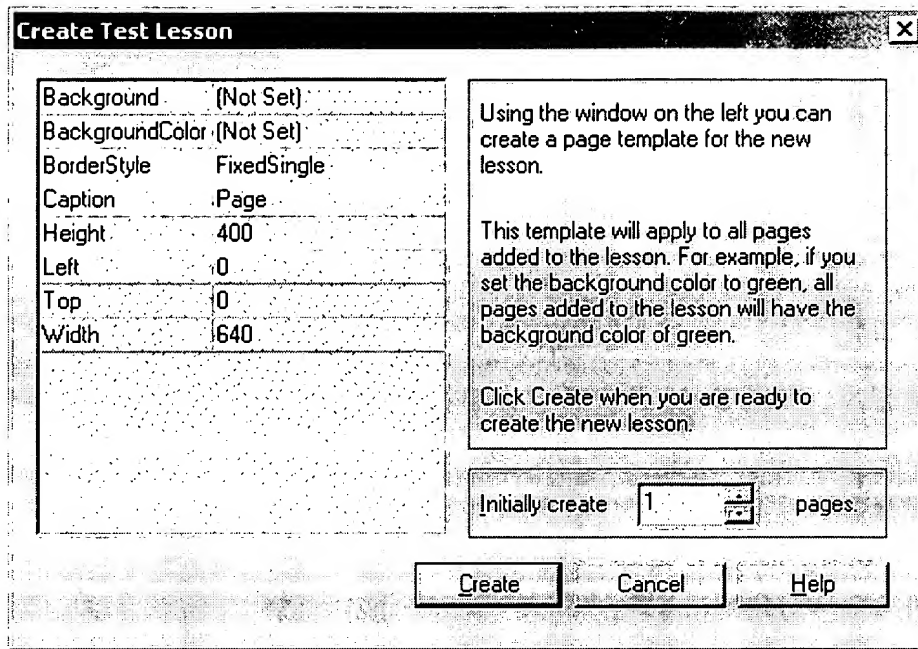
FIG. 21



Create a new lesson called Test Lesson

618

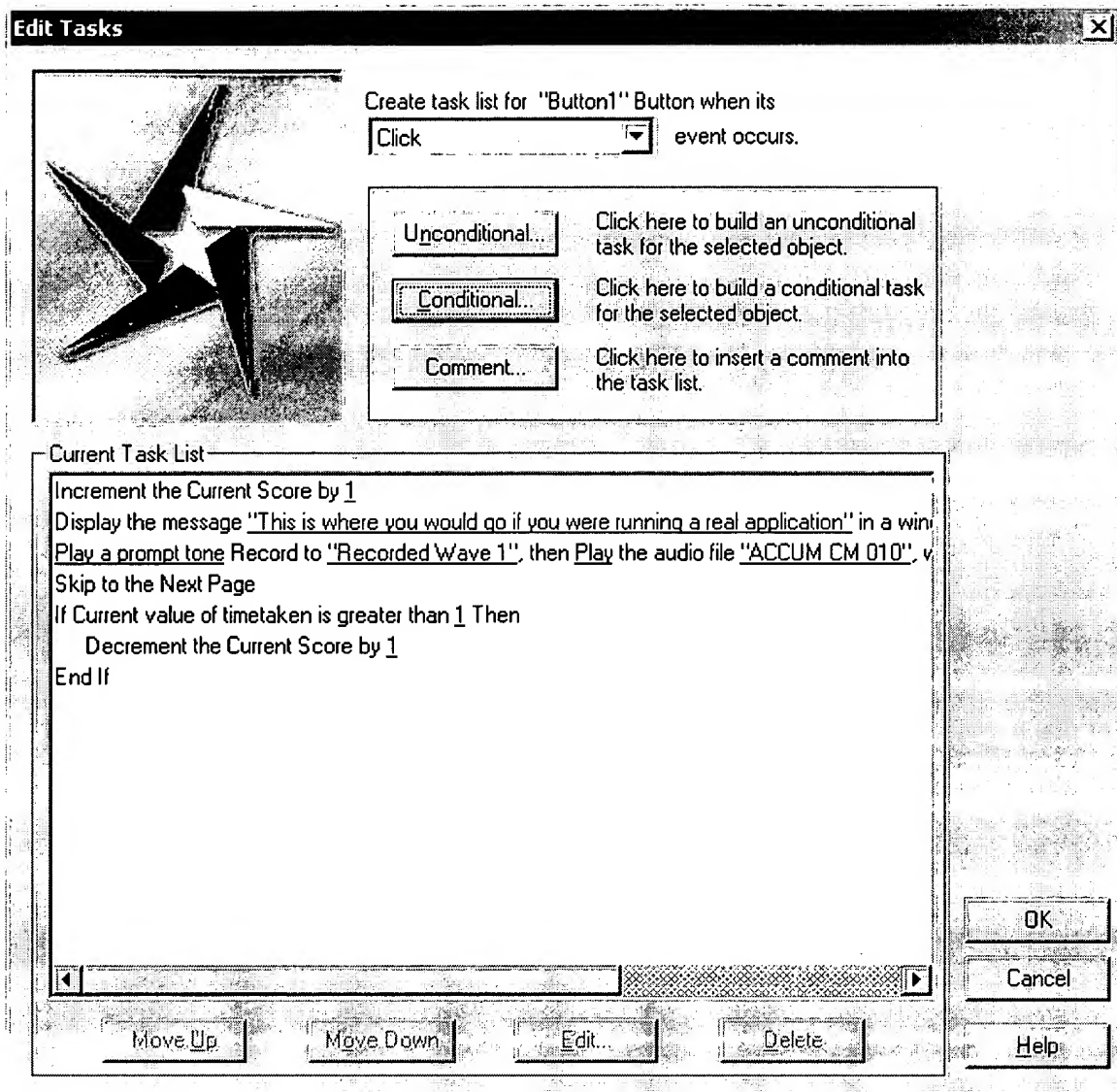
FIG. 22



Set lesson properties

802

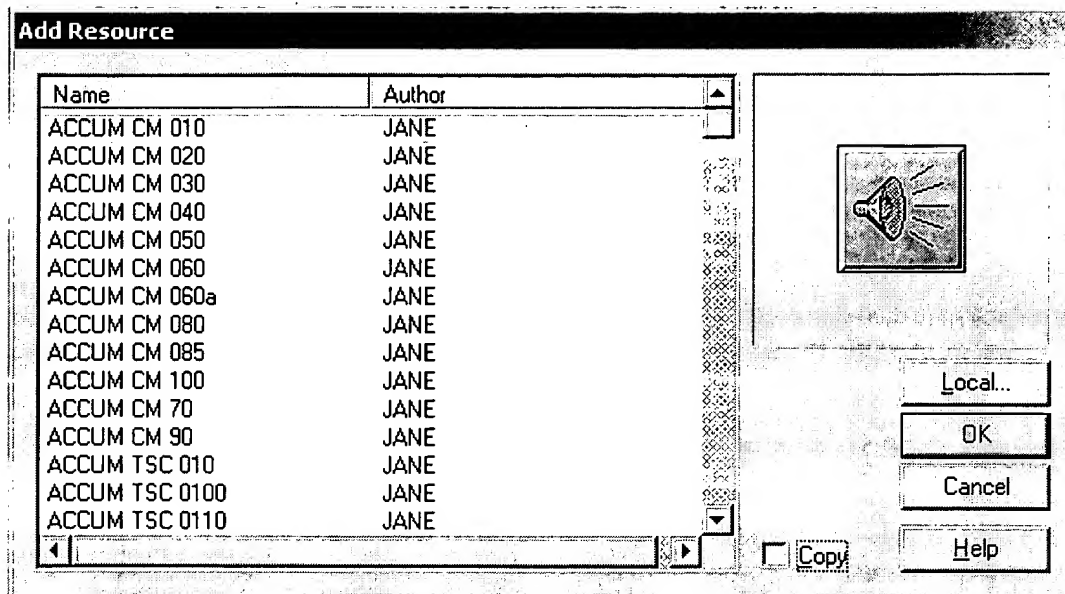
FIG. 23



Create a task list for a control

812

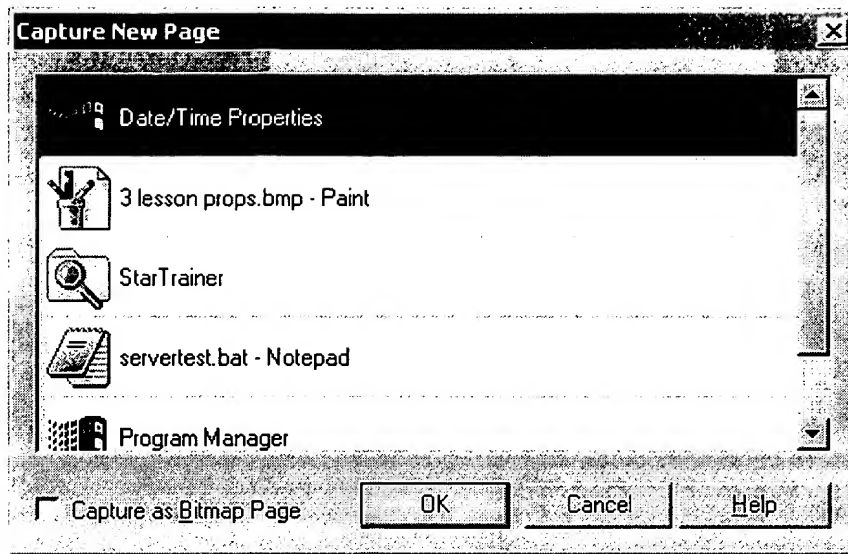
FIG. 24



Insert Audio files in the lesson

908

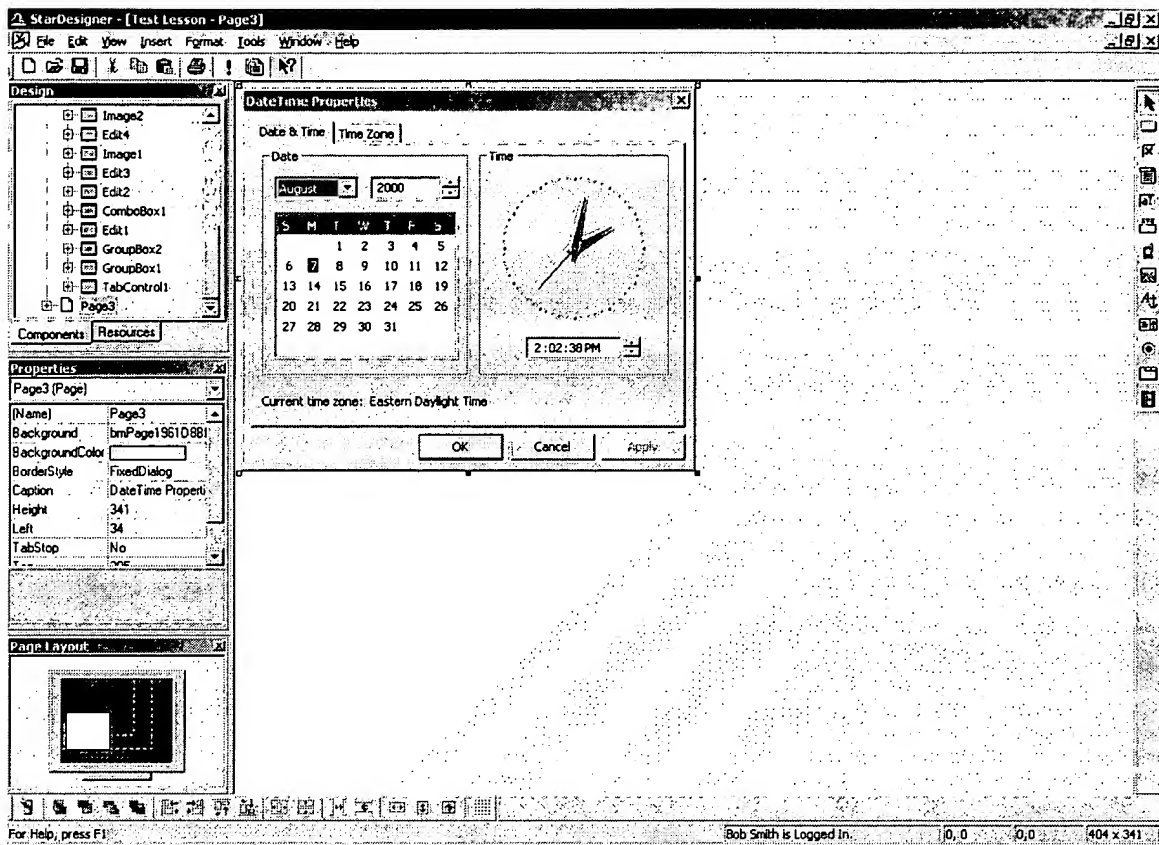
FIG. 25



Capture application

1008

FIG.26



Captured page in StarDesigner

1016

FIG. 27

Properties

Personal Business Lessons Assigned Lesson Status

Enter identification information about this user here (Required).

Name

First Name: New

Last Name: Student

StarTrainer Logon

User Name: Student

Password: *

ID Number

Employee ID Number (optional):

Rights

☒ Student

☐ Designer

☐ Administrator

OK Cancel

Create Student

1206

FIG. 28

Lesson Frequency

Lessons:

Name	Description	Frequency
Test Lesson		1

Lesson Frequency

☒ Lesson(s) can be taken time(s) ☒ Save Review Information


☐ Lesson(s) can be taken indefinitely

Assign lessons

1210

FIG.29

Logon

 **StarRunner**

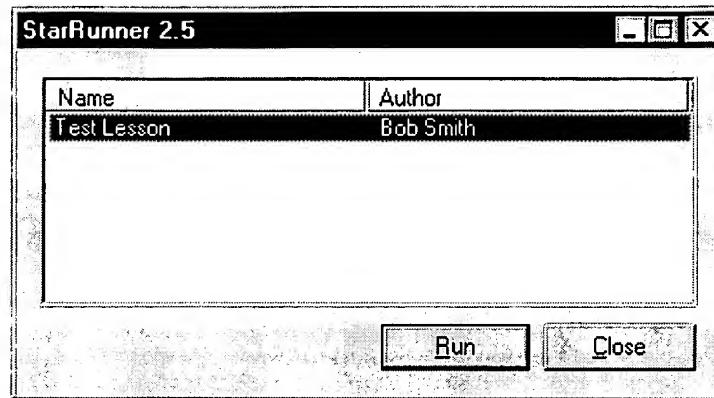
Name:

Password:

Student login

1306

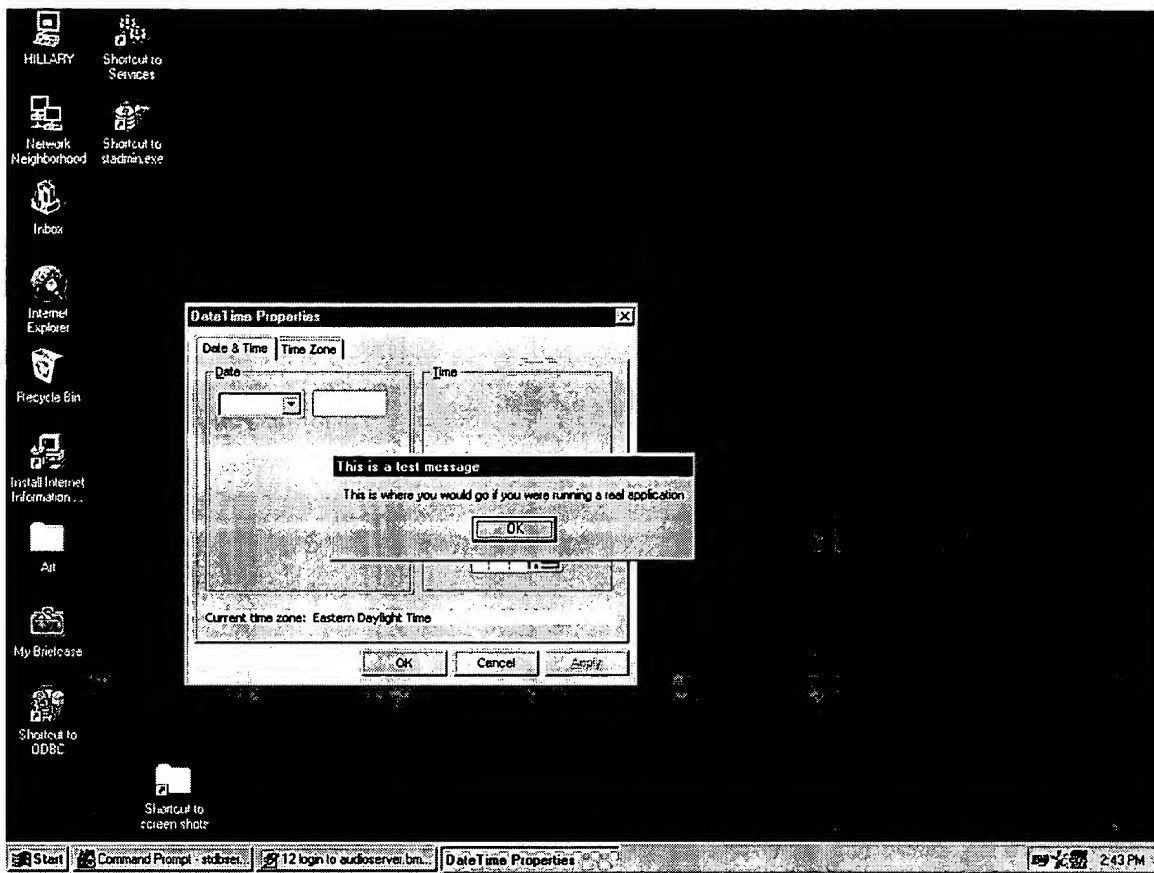
FIG. 30



Assigned lessons to a user

1312

FIG. 31



Lesson being run by the student

1318

FIG. 32

GLOBAL TASKS	EXPLANATION
CompleteLesson	Indicate in the student record that the lesson is completed
DecrementScore	Decrement the score
DisableKeyboard	Disable the keyboard
EnableKeyboard	Enable the keyboard
Exec	Execute an application
IncrementScore	Increment the score
ListenAndPlay	Listen to the student(without recording), and once the student is done, play a file
MessageBox	Standard Windows messagebox
Play	Play a pre-recorded file
PlayRecordedWave	Play a student recorded file
Quit	Quit the lesson
Record	Record student
RecordAndPlay	Record student, and once she/he is done, play a file
Run	Run an application
SkipToNextPage	Show next page in the lesson
SkipToPage	Show a page defined by the user
SkipToPreviousPage	Show previous page in the lesson
StopPlay	Stop playing files
StopRecord	Stop recording
TimerStart	Start the timer
TimerStop	Stop the timer
Wait	Wait for user defined seconds
WaitForAudioComplete	Wait for all audio events to complete before proceeding further in the script

FIG. 34

RESPONSE ITEM TASKS	EXPLANATION
Concatenate	Append a string to response item
Contains (Conditional)	Does the response item contain user defined string regardless of case
ContainsExactly (Conditional)	Does the response item contain user defined string including the case
Decrement#	Decrement the response item
Increment#	Increment the response item

FIG. 35

		PROPERTIES / TASKS / GLOBAL TASKS															
PROPERTIES		Button	CheckBox	ComboBox	EditBox	GroupBox	HotSpot	Image	Label	ListBox	Page	RadioButton	Tab	Video			
AcceptsChars					X												X
AnimationName																	X
AutoPlay																	
AutoHScroll					X												
AutoVScroll					X												
Background											X						
BackgroundColor	X		X	X	X	X			X	X		X					
Border									X								
BorderStyle											X						
Caption	X		X	X	X	X			X								
CenterVertically									X								
ChangeCursor							X	X									
Check			X									X					
ComboBoxStyle				X													
Enabled	X		X	X	X	X		X	X	X	X	X	X				
Font	X		X	X	X	X			X	X	X	X	X				
Height	X		X	X	X	X		X	X	X	X	X	X				X
HorzAlign	X		X			X						X					
Image								X									
Left	X		X	X	X	X		X	X	X	X	X	X				X
Multiline					X												
Number					X												
SelectionType										X							
SizeToImage								X									X
Sort				X						X							
TabStop	X		X	X	X	X				X							
TabStyle																X	
TextColor	X		X	X	X	X			X	X		X					
TextPosition									X								
Top	X			X		X		X	X	X	X	X	X				X
TriState			X														
Transparent																	X
VerAlign	X				X												
VerScroll																	
Visible	X		X	X	X	X			X	X	X	X	X				X
Width	X		X	X	X	X		X	X	X	X	X	X				X

FIG. 36

TASKS (** indicates a Conditional-only task)	Button	CheckBox	ComboBox	EditBox	GroupBox	HotSpot	Image	Label	ListBox	Page	RadioButton	Tab	Video
EVENTS													
AcceptsChars	Click			X								Init / SC	
AddString			X						X				
AddStrings			X						X				
AddTab												X	
AnimationName													X
AutoPlay													X
BackGround										X			
BackGroundColor	X	X	X	X	X			X	X	X	X		
Border								X					
Caption	X	X	X	X	X			X		X	X		
ChangeCursor						X	X						
Check		X									X		
Clear			X						X				
ClearImage							X						
Close													X
**Count			Conditional						Conditional				
DeleteString			X						X				
DeleteTab												X	
Enabled	X	X	X	X	X	X	X	X	X		X	X	
Font	X	X	X	X	X			X	X		X	X	
Height	X	X	X	X	X	X		X	X	X	X	X	X
HorizontalAlign	X	X			X						X		
HorizontalScroll				X									
Image							X						
InsertString			X						X				
Left	X	X	X	X	X	X	X	X	X	X	X	X	X
**LineCount				Conditional									
Move	X	X	X	X	X	X	X	X	X	X	X	X	X
Number				X									
Open													X
Play													X
ResetContent													
**SelectedIndex			Conditional						Conditional				
**SelectedText			Conditional										
SelectTab												X	
SelfFocus	X	X	X	X					X		X	X	
SetSelection			X						X				

FIG. 37

